MGP 464

Four Window Multi-Graphic Processor



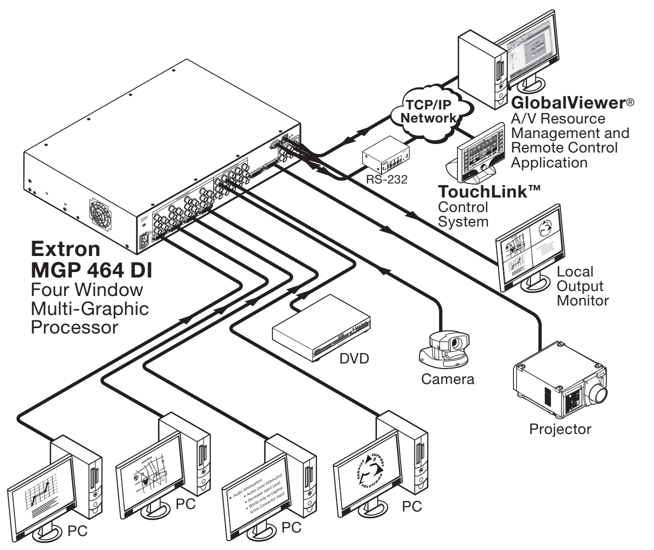
MGP 464 DI

DESCRIPTION

The Extron **MGP 464** Four Window Multi-Graphic Processor is a powerful, high resolution graphics processor that enables the simultaneous display of four images on a single screen. It is ideal for applications demanding critical quality graphics and video presentations, including command and control centers, videoconferencing, medical facilities, courtrooms, and boardrooms. The MGP 464 combines high performance graphics scaling with flexible and customizable picture-in-picture functionality.

SERIES FEATURES

- **Combines video, HDTV, and high resolution RGB input sources into four windows on a single display**
- **RGB, HDTV component video, and DVI output**
- **76 selectable output rates from 640x480 to 1920x1200, including HDTV 1080p/60**
- **Graphic Still Store enables use of screen captures or uploaded graphics as background images**
- **Live video background from a dedicated DVI source**
- **Window transition effects including dissolves, wipes, and cuts**
- **Virtual video inputs allow wide-ranging combinations of composite video, S-video, and component video sources**
- **True 19x4 input matrix switcher**



SPECIFICATIONS

VIDEO INPUT	
Number/signal type	4 VGA-WUXGA RGBHV, RGBS, RGsB, RsGsBs, RGBcvS, component video (interlaced or progressive), S-video, composite video 4 to 15 (configurable) component video (interlaced), S-video, or composite video 4 single link DVI digital video (MGP 464/462xi DI only) 2 HD-SDI digital video, 2 single link DVI digital video (MGP 464/462xi HD-SDI only)
Resolution range	640x480 to 1920x1200*, 480p, 576p, 720p, 1080i, 1080p *Only the reduced blanking version of the 1920x1200 resolution is sampled at full bit rate. HD-SDI models accept the resolutions listed above on the nonHD-SDI inputs. The HD-SDI inputs, themselves, accept only the following resolutions: $720p^{2,4,5,6,7}$, $1080i^{5,6,7}$, $1080p^{1,2,3,4}$ ^{1} = at 24 Hz, ^{2} = at 25 Hz, ^{3} = at 29.97 Hz, ^{4} = at 30 Hz, ^{5} = at 50 Hz, ^{6} = at 59.94 Hz, ^{7} = at 60 Hz
VIDEO PROCESSING	
Digital sampling	24 bit, 8 bits per color; 13.5 MHz standard (video), 162 MHz standard (RGB)
VIDEO OUTPUT	
Number/signal type	1 scaled RGBHV, RGBS, RGsB, HD YUV component video 1 single link DVI-D
SYNC	
Input type	RGBHV, RGBS, RGsB, RsGsBs, RGBcvS, YUV (tri-level or bi-level on Y channel)
Output type	RGBHV, RGBS, RGsB, YUV (tri-level or bi-level on Y channel)
Input standards	NTSC 3.58, NTSC 4.43, PAL, SECAM, SMTPE 292M
CONTROL/REMOTE — PROCESSOR/DECODER/SCALER	
Serial control ports	(1) RS-232 or RS-422, 9-pin female D connector (1) RS-232, 2.5 mm mini stereo jack
Ethernet control port	1 female RJ-45 connector
GENERAL	
Power	100 VAC to 240 VAC, 50-60 Hz, 30 watts, internal
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting	Rack mountable with included brackets
Enclosure type	Metal
Enclosure dimensions (per unit)	3.4" H x 17.5" W x 12.0" D (2U high, 1 rack wide) (8.6 cm H x 44.5 cm W x 30.5 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
Product weight	8.5 lbs (3.9 kg)

For complete specifications, please go to www.extron.com

MODEL	VERSION DESCRIPTION	PART #
MGP 464	Four Windows, Standard Version	60-771-01
MGP 464 DI	Four Windows, With 4 DVI Inputs	60-771-02
MGP 464 HD-SDI	Four Windows, 2 HD-SDI & 2 DVI Inputs	60-771-03